

Tracking & Trending

Sandra L. Prior, REM, CHMM
System Safety and Safety Systems for
Accelerators

US Particle Accelerator School
June 28 – July 2, 2004

Why Track Data?

- Good business practice
- Establishes history/audit trail for decisions and actions
- Can use data history for
 - Continuous improvement
 - Risk analysis
 - design justification
- Tracking commitments forces people to act

Cost vs Benefit

- Setting up a tracking system requires
 - Knowing what outcomes you want first
 - Resources for development
- Initial data entry can be viewed as time consuming
 - Requires disciplined, systematic approach
 - Benefits over time far outweigh initial data entry investment

Jlab EH&S Tracking System

EH&S Tracking Home - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Back Forward Stop Search Favorites Media Print View

Address <https://mis.jlab.org/ehs/index.php> Go Links

[Privacy and Security Notice](#) Optimized for IE 5+ and Netscape 6+

Jefferson Lab **EH&S Tracking Home**

HOME | SEARCH | CONTACT JLAB

Problems? Questions? Contact an [Administrator](#)

Home
Admin
Tracking Records
EH&S Info
Requirements
Work Control Docs
Work Requests
JIT training
Help

SAFETY FIRST

Welcome,
Sandra,
to the EH&S Tracking System.

What would you like to do?

- [Show me all open items assigned to me.](#)
- Show me all inspection items for area:
- [Take me to the search page.](#)
- [I would like to add a record.](#)

Our EH&S tracking and reporting mechanisms, presented at the the international [IRIA conference](#), have been selected as a categorical winner by the National Registry of Environmental Professionals.

Lessons Learned

Finding: [AI-2004-05-02](#)
Staff need to promptly report injuries to line management and cofer on next steps.

Current Status

EH&S Tracking Items
(Count of Open Findings)

Inspections	105
(Accident/Incident)s	11
Assessments	98
RDRs	3

[More...](#)

Maintained by: jnagops@jlab.org

Jefferson Lab EH&S

1 Hierarchical Menu Trees Created

Internet

Sources of Data

Data Source	Description	Comments
Inspections	Scheduled Internal/External	Proactive & reactive Compliance driven
Observations	Informal EHSLOG, verbal, email	Proactive ISMS Core Function 5
Accident/Injury/Occurrence	Crosses DOE/OSHA reporting threshold	Reactive
Notable Event	May be good or bad Lessons Learned	Proactive ISMS Core Function 5
Assessment	Line Self Independent	Proactive ISMS Core Function 5

Data Source: Inspections

- 4 Categories of main data sources, or “events”
 - Inspections
 - Scheduled
 - Safety Warden
 - EH&S staff observations
 - Laser Audits
 - External Agency

Data Source: Accident/Incident

- ❖ Reportable Injuries/Illnesses
- ❖ First Aid
- ❖ Reportable Incidents – as defined by DOE Occurrence Reporting requirements
- ❖ Notable Events – non reportable occurrences
 - Can be good or bad
 - Focus is on Lessons Learned

Data Source: Assessments

- ❖ Line Self Assessments
- ❖ Independent Assessments
- ❖ EH&S Manual Revisions

Data Source: RDRs

Radiation Deviation Reports (RDR)

- Radiological events that do not cross Price Anderson Act Amendments threshold for reporting
- 3 similar events w/in 1 year rise to reportable level
 - Ex. Recent VTA ORPS report

Data Sources: Common Features

- All categories share a common set of data fields: date, location, evaluator, division, department, & responsible manager
- Each category also has unique data set

Accidents/Incidents

ISMS Core Values

Report Link

Lessons Learned

Classification

Inspections

Risk Codes

EH&S Manual Reference

Data Format: Events

- Two tiered approach
 - Events
 - Contains data common to a subset of related findings – the event “Header”
 - Mixture of common and unique data fields
 - Useful for periodic roll up reports that assess the numbers of inspections performed or accidents that occurred in a given timeframe
 - More efficient means of managing data

Data Format: Findings

- Two tiered approach – cont
 - Findings
 - Individual observations or causes that require some action to correct
 - May have different responsible managers, risk codes, ISMS core value, or lesson learned
 - Multiple findings may be generated from one event
- Both have unique but related record numbers using category, year, and sequence #

System Access

- Access is Intranet only
- Requires JLab user name and password
- Anyone can view data, post status updates, conduct queries and generate reports
- User privileges required to add new records, and edit, delete, or close existing records

System Access - cont

- Anyone may post an EHSLOG entry and email it at the time the entry is posted
 - Expedites notice to EH&S staff or supervisor
 - Primary route for worker observations added to tracking system
 - Also a good means of sharing information

Querying the System

- May query events or findings w/in a category or across all categories
- Cross category queries yield data from common fields only
- Event & Finding queries w/in a category yield data from all fields, common and unique
- Anyone may query the system; no password or privileges are needed
- Query results provided in HTML or MS Excel

Quick View of Your Findings

- Menu bar “View my open findings” appears on every page
- Provides quick view of open items in the system that are your responsibility to close
- Knows who you are based upon log-in to the system

Jlab EH&S Tracking System

EH&S Tracking Home - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Back Forward Stop Search Favorites Media Print View

Address <https://mis.jlab.org/ehs/index.php> Go Links

[Privacy and Security Notice](#) Optimized for IE 5+ and Netscape 6+

Jefferson Lab **EH&S Tracking Home**

HOME | SEARCH | CONTACT JLAB

Problems? Questions? Contact an [Administrator](#)

Home
Admin
Tracking Records
EH&S Info
Requirements
Work Control Docs
Work Requests
JIT training
Help

SAFETY FIRST

Welcome,
Sandra,
to the EH&S Tracking System.

What would you like to do?

- [Show me all open items assigned to me.](#)
- Show me all inspection items for area:
- [Take me to the search page.](#)
- [I would like to add a record.](#)

Our EH&S tracking and reporting mechanisms, presented at the the international [IRIA conference](#), have been selected as a categorical winner by the National Registry of Environmental Professionals.

Lessons Learned

Finding: [AI-2004-05-02](#)
Staff need to promptly report injuries to line management and cofer on next steps.

Current Status

EH&S Tracking Items
(Count of Open Findings)

Inspections	105
(Accident/Incident)s	11
Assessments	98
RDRs	3

[More...](#)

Maintained by: jnagops@jlab.org

EH&S

1 Hierarchical Menu Trees Created

Internet

Menu Selection: EH&S Info

EH&S Tracking Home - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Back Forward Stop Search Favorites Media Print

Address <https://mis.jlab.org/ehs/index.php> Go Links

[Privacy and Security Notice](#) Optimized for IE 5+ and Netscape 6+

Jefferson Lab **EH&S Tracking Home**

HOME | SEARCH | CONTACT JLAB

ttracking, trending, & training

Problems? Questions? Contact an [Administrator](#).

Home
Admin
Tracking
Records
EH&S Info
Requirements
Work Control
Docs
Work Request
JIT training
Help

EH&S Info
EH&S HomePage
EH&S Manual
EH&S Log
Monthly Highlights
Alerts / Notices

[Hazards of Acetylene Gas](#)

Welcome, Sandra,
to the EH&S Tracking System.

What would you like to do?

[Show me all open items assigned to me.](#)

Show me all inspection items for area:

[Take me to the search page.](#)

- [I would like to add a record.](#)

Our EH&S tracking and reporting mechanisms, presented at the the international [IRIA conference](#), have been selected as a categorical winner by the National Registry of Environmental Professionals.

Lessons Learned

Finding: [AI-2004-05-02](#)
Staff need to promptly report injuries to line management and cofer on next steps.

Current Status

EH&S Tracking Items
(Count of Open Findings)

Inspections	105
(Accident/Incident)s	11
Assessments	98
RDRs	3

[More...](#)

Maintained by: inapps@jlab.org

Jefferson Lab **EH&S**

Done Internet

Menu Selection: EH&S Manual



Menu Selection: EH&S Manual

http://www.jlab.org/ehs/manual/PDF/EHSbookTOC.pdf - Microsoft Internet Explorer

Table of Contents

- 1000 Policy
- 2000 Organization and Responsibilities
 - 2100 Laboratory Organization
 - 2210 EH&S Responsibilities of Individuals
 - Appendix 2200-R1 Current EH&S Staff Assignments
 - 2220 Landlord and Tenant EH&S Responsibilities
 - 2230 EH&S Responsibility for Products
 - 2240 Jefferson Lab EH&S Committees
 - 2310 EH&S Concern Resolution
 - EH&S Concern Report
 - 2320 External EH&S Reviews
 - 2410 Applicable Regulations and Contractual Commitments**
 - Appendix 2410-T1 Jefferson Lab Hazard Issue List
 - Appendix 2410-T2 TJNAF Work Smart Standards Set
 - Appendix 2410-T3 Administrative EH&S Documents
 - 2420 Permits and Authorizations from External Agencies
- 3000 Planning for Safe Operations
 - 3110 EH&S Assessments of New Facility Plans
 - 3120 The CEBAF Experiment Review Process
 - Appendix 3120-A Conduct of Operations (COO) for Jefferson Lab
 - Appendix 3120-B Typical Outline for a Radiation Safety Assessment Document
 - Appendix 3120-C Typical Outline for a Preliminary Experiment Safety Assessment or an Experiment Safety Assessment Document
 - Appendix 3120-D The Experiment Review Process for a New Experiment Using the Base Equipment (Type 2)
 - Appendix 3120-E The Experiment Review Process for an Experiment Requiring Temporary (Type 3) or Permanent (Type 4) Modification of the Base Equipment

http://www.jlab.org/ehs/manual/PDF/2410T2StdSet.pdf - Microsoft Internet Explorer

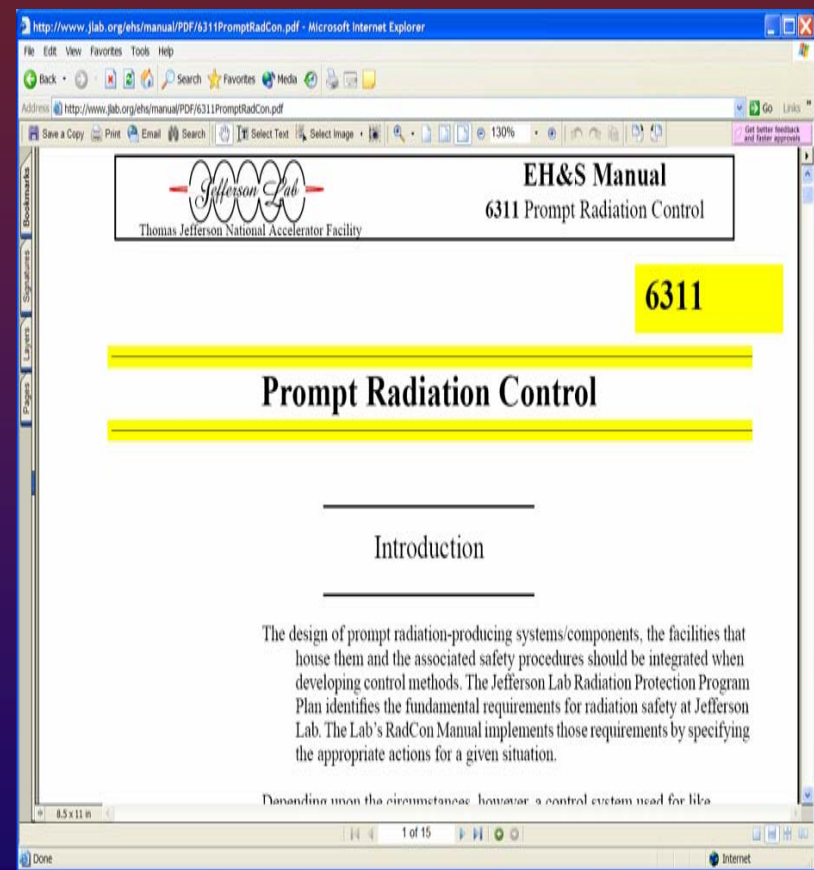
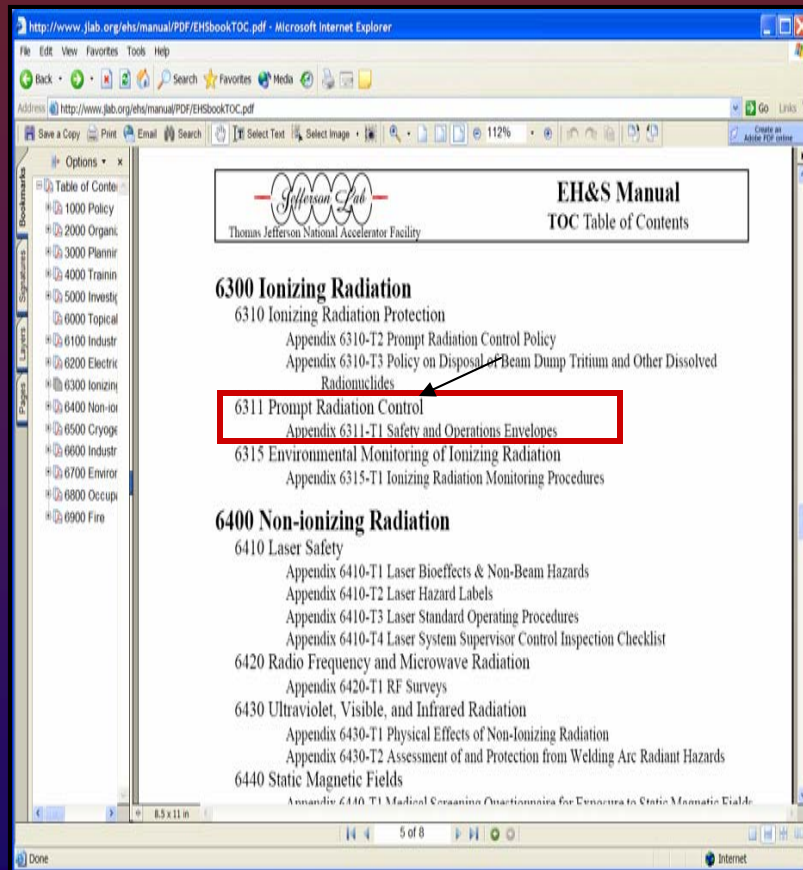
EH&S Manual
2410-T2 Work Smart Standards Set

Thomas Jefferson National Accelerator Facility

Table 1: TJNAF Work Smart Standards Set

Issue #	Hazard Issue	Necessary Standards	Sufficient External Standards	Sufficient Internal Standards (Chapters/Appendices from the JLab EH&S Manual)
003	Bio - bloodborne pathogens	29 CFR 1910.1030; 9 VAC 20-120-10 et. seq., Regulated Medical Waste Management Regulations	CDC Guidelines for Immunizations	Chapter 6840 <i>Bloodborne Pathogen Protection</i> ; Chapter 6850 <i>Regulated Medical Waste Management</i>
006	Chem - acids, solvents, toxic agents and haz. liquids	29 CFR 1910.1200; 29 CFR 1910.1000; 29 CFR 1910.1450, Occupational Exposure to Hazardous Chemicals in Laboratories	ACGIH TLV, current edition; ANSI Standard A 13.1- 1996, Scheme for the Identification of Piping Systems, with 1998 change, or current edition, applicable for: 1) new piping installation and 2) when poor labeling constitutes a safety hazard	Chapter 6610 <i>Chemical Hygiene</i> and appendices
007	Chem - carbon monoxide	29 CFR 1910.1200, Hazard Communication Standard; 29 CFR 1910.146, Permit-Required Confined Space Entry; 29 CFR 1910.1000, Table of OSHA Permissible Exposure Limits (PEL); 29 CFR 1910.178(i), Control of	ACGIH TLV, current edition	Chapter 6610 <i>Chemical Hygiene</i> and appendices; Chapter 3220 <i>Communication of Hazards to Employees and Users</i> ; Chapter 6145 <i>Forklifts</i> ; Chapter 6160 <i>Confined Space Entry & Appendices</i>

Menu Selection: EH&S Manual



EH&S Electronic Logbook

Electronic Logbook & OPS-PR System - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Back Forward Stop Home Search Favorites Media Print

Address http://opweb.acc.jlab.org/CSUEApps/elog02/elog.php?sort_order=DESCENDING&sd_Month=06&sd_Day=01&sd_Year=2004&sd_Hour=00&ed_Month=07&ed_Day=01&ed_Year=2004&ed_... Go Links

Logbooks: [ELOG](#) | [CLOG](#) | [SLOG](#) | [SADLOG](#) | [POLOG](#) | [BDLOG](#) | [FLOG](#) | [FUNLOG](#) | [TLOG](#) | [EHSLOG](#)
[PMXLOG](#) | [RFLOG](#) | [GOLOG](#) | [HALOG](#) | [HBLOG](#) | [HCLOG](#) | [MYELOG](#)

actions: [Make an Entry](#) | [Logbook prefs](#) | [Scrollable/printable logbook](#) | [Pending entries](#) | [Administer](#) | [Login](#)

Other Links:

ACE-PR	OPS-PR Query	SWIS
ATLis	Ops Documentation	Software Documentation
AccelTest Plan	Ops Reconfiguration Plans	Whiteboard Schedule
Approved Sweepers List	PD Shift Plans	
Beam Charts	Pager	
Experiment Schedule	Run Coord Weekly Summary	

(If you are unable to select alternate date range...)

Start Date: June 1 2004 0:00 End Date: July 1 2004 0:00

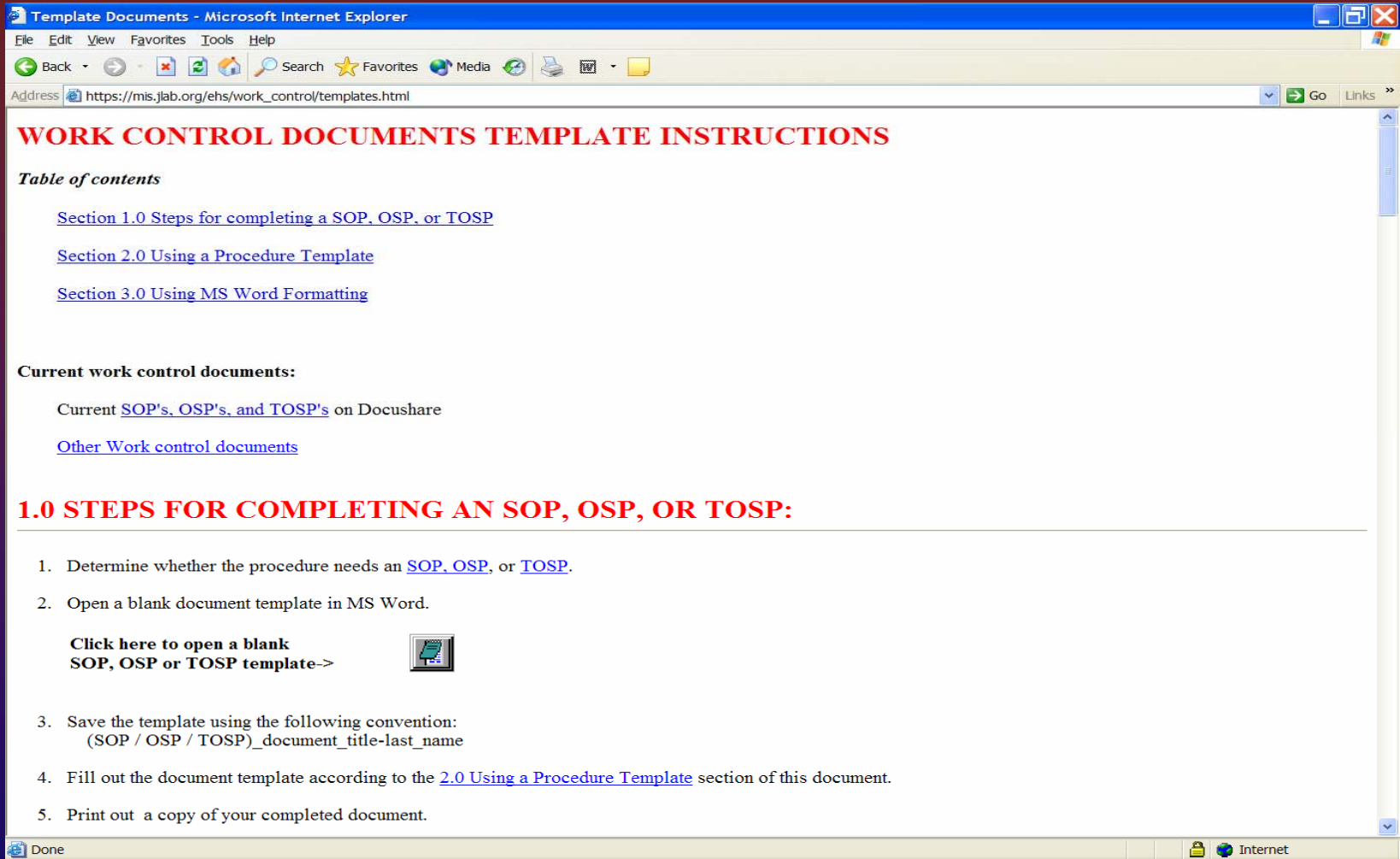
Entry Type(s): ☒ DOWNTIME ☒ LOGENTRY ☒ MDTASK ☒ OPS-PR ☒ TUNE

Logbook: [EHSLOG](#) Sort Order: [DESCENDING](#) Source: [ALL LOGS](#)

Search(?): in Titles and Text Apply Filters Default Settings

number	date	name	type	title
Tuesday				
• 1221581	29-Jun-04 15:24	E_Abkemeier	LOGENTRY	Test Plan for Changing Hall C Beam Dump
Monday				
• 1221198	28-Jun-04 10:02	P_Hunt	LOGENTRY	EMS audits
Wednesday				
• 1220292	23-Jun-04 10:10	J_Jefferson	LOGENTRY	CARM Removal Upgrade
Tuesday				
• 1220147	22-Jun-04 15:26	B_May	LOGENTRY	EH&S Occurrence (Accident/Incident) Find:
• 1220064	22-Jun-04 09:54	H_Robertson	LOGENTRY	COMPLETED TASK: Penetration stone drops
Monday				
• 1219830	21-Jun-04 09:58	J_Faulkner	LOGENTRY	South Linac dropped to Restricted Access
• 1219815	21-Jun-04 08:54	B_May	LOGENTRY	VTA crane snags power cable
Friday				
• 1219245	18-Jun-04 16:02	P_Hunt	LOGENTRY	EMS Walkthrough
• 1219244	18-Jun-04 15:59	S_Singleton	LOGENTRY	Oil Spill Canon Boneyard
Tuesday				

Work Control Documents



Work Control Document Template

https://mis.jlab.org/ehs/work_control/SOP.doc - Microsoft Internet Explorer

File Edit View Insert Format Tools Table Go To Favorites Help

Back Forward Stop Home Search Favorites Media

Address https://mis.jlab.org/ehs/work_control/SOP.doc

Standard Operating Procedure

1. → Scope:¶
This Standard Operating Procedure (SOP) outlines specific activities associated with...¶

2. → Background:¶

3. → Authority and Responsibility:¶

4. → Hazard Analysis:¶

Hazard	Cause	Risk Code (pre)	Mitigation Administrative	Mitigation Engineering	Risk Code (post)

5. → Procedures:¶

6. → Personnel Training / Qualification:¶

7. → Other:¶

8. → Attachments:¶

Unknown Zone

WCD: Hazard ID & Mitigation

Template Documents - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Back Forward Stop Home Search Favorites Media Print

Address https://mis.jlab.org/ehs/work_control/templates.html Go Links

11. Hazard Analysis:
Briefly outline potential hazards for personnel or equipment associated with the procedure. Characterize the specific potential hazards, assess the level of risk involved, and note any specific controls that will be used to mitigate the hazard. Controls fall into two types - administrative (ex. ODH monitoring system; personal protective equipment; and written procedures) and engineering (isolating worker from the hazard by using a glovebox; access control system; substituting a less hazardous material for a more hazardous one, shielding, and interlocks). Summarize your hazard assessment in the following table format:

Hazard	Cause	Risk Code (pre)	Mitigation Administrative	Mitigation Engineering	Risk Code (post)
Potential Hazard1	The cause of this specific hazard.	4	How one plans to overcome this hazard.	Specific initiatives to be taken to see this hazard does not become reality.	1

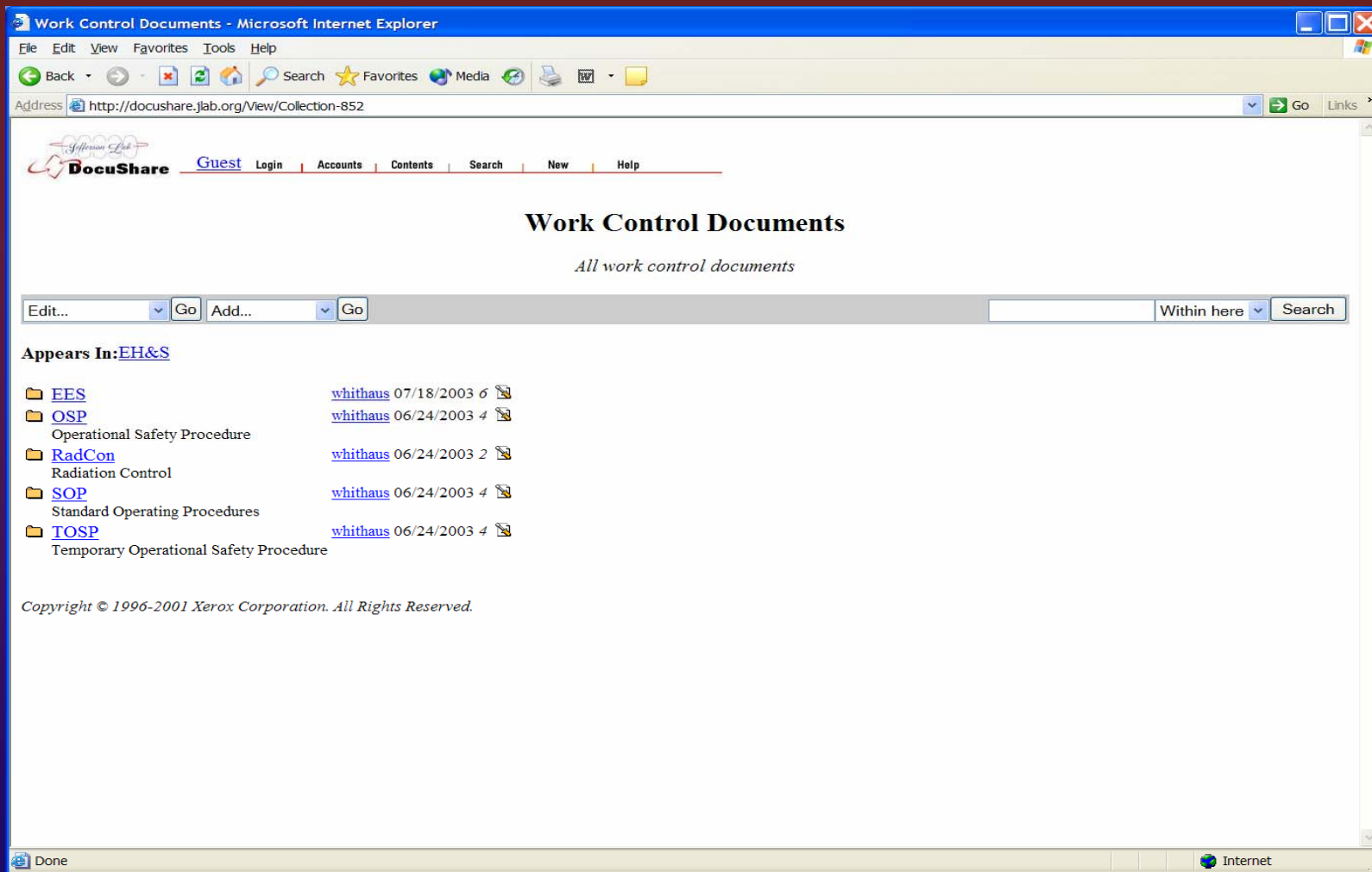
Consult the EH&S Manual, [Section 3210, Hazard Identification and Characterization](#), for the specifics of evaluating hazards, assigning an appropriate risk code to the task, and providing sufficient controls. For questions or clarification, contact a Jefferson Lab safety professional.

If you are assessing **electrical or electronic equipment hazards**, remember to also identify the electrical Mode and Class for the activities performed. See Table 2 below for a list of all JLab potential hazard causes and the EH&S Manual reference for assessment guidance.

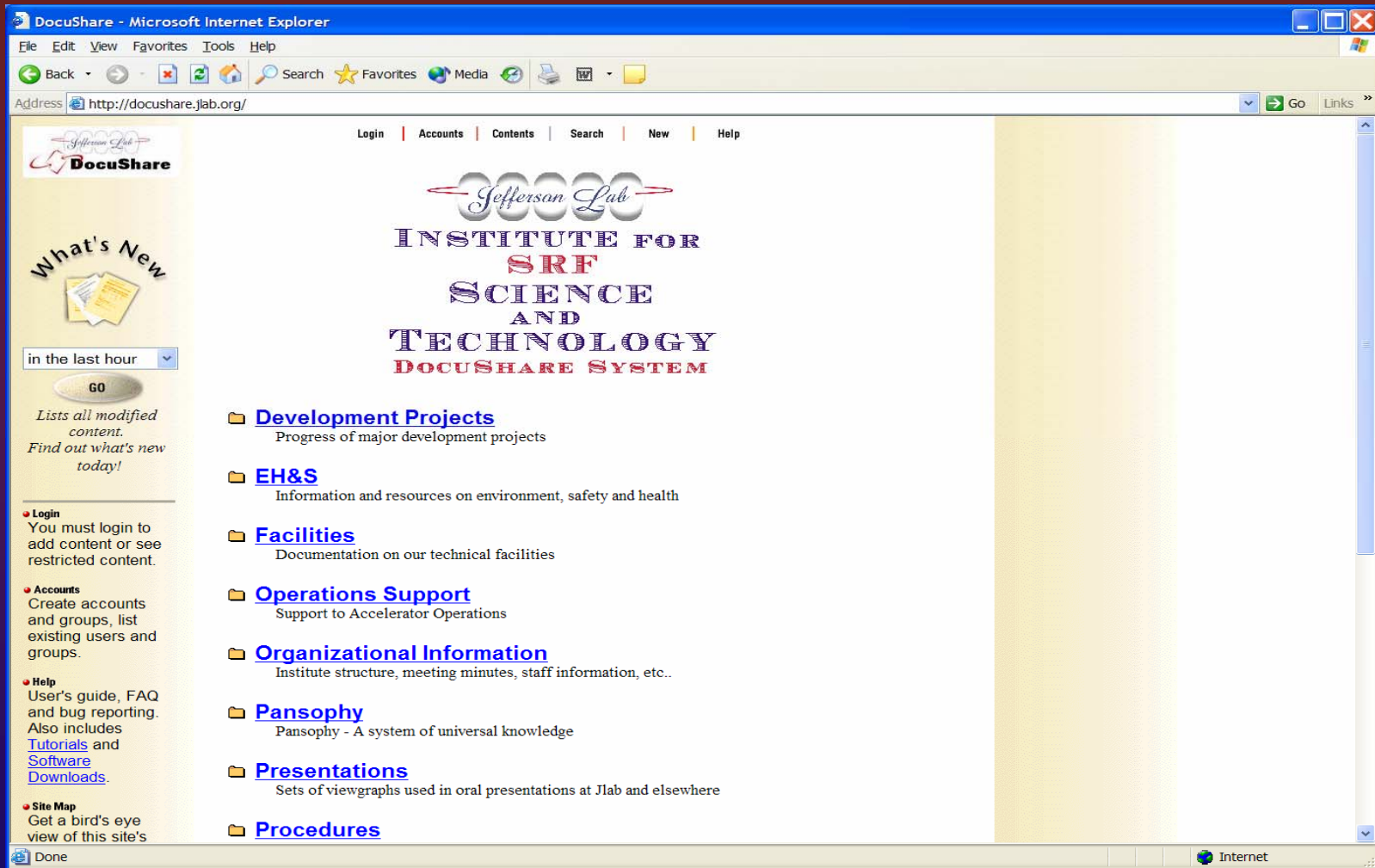
Hazard Origin/Type	EH&S Manual Reference (PDF)	Additional Comments
Tools: Hand and Power Machine	Chapter 6120 Chapter 6121	
Welding/cutting/brazing/grinding	Chapter 6122	
Ladders & scaffolds	Chapter 6132	
Cranes use	Chapter 6140	
Hoist use	Chapter 6140	
Forklifts used in tunnel	Chapter 6145 Chapter 6146	
Aerial work platforms (ManLifts)	Chapter 6147	
Compressed gases Flammable gases	Chapter 6150 Chapter 6152	

Internet

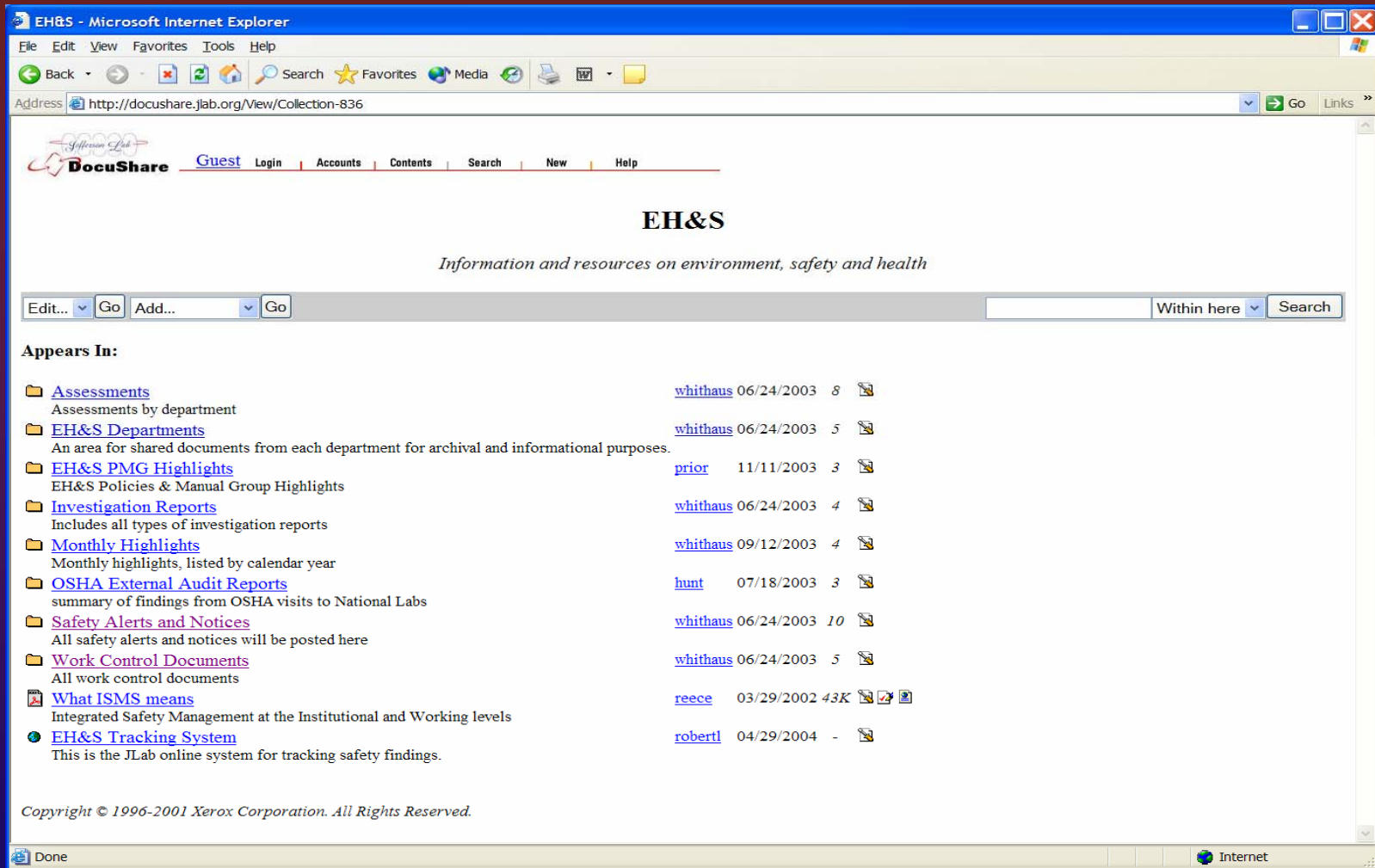
WCD: Electronic Copies



Documents Management System



Documents Management System




Safety Alerts & Notices

Safety Alerts and Notices - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Back Forward Stop Reload Search Favorites Media Print

Address http://docushare.jlab.org/View/Collection-860 Go Links









































 **DocuShare** [Guest](#) [Login](#) [Accounts](#) [Contents](#) [Search](#) [New](#) [Help](#)

Safety Alerts and Notices

All safety alerts and notices will be posted here

Edit... Go Add... Go Within here Search

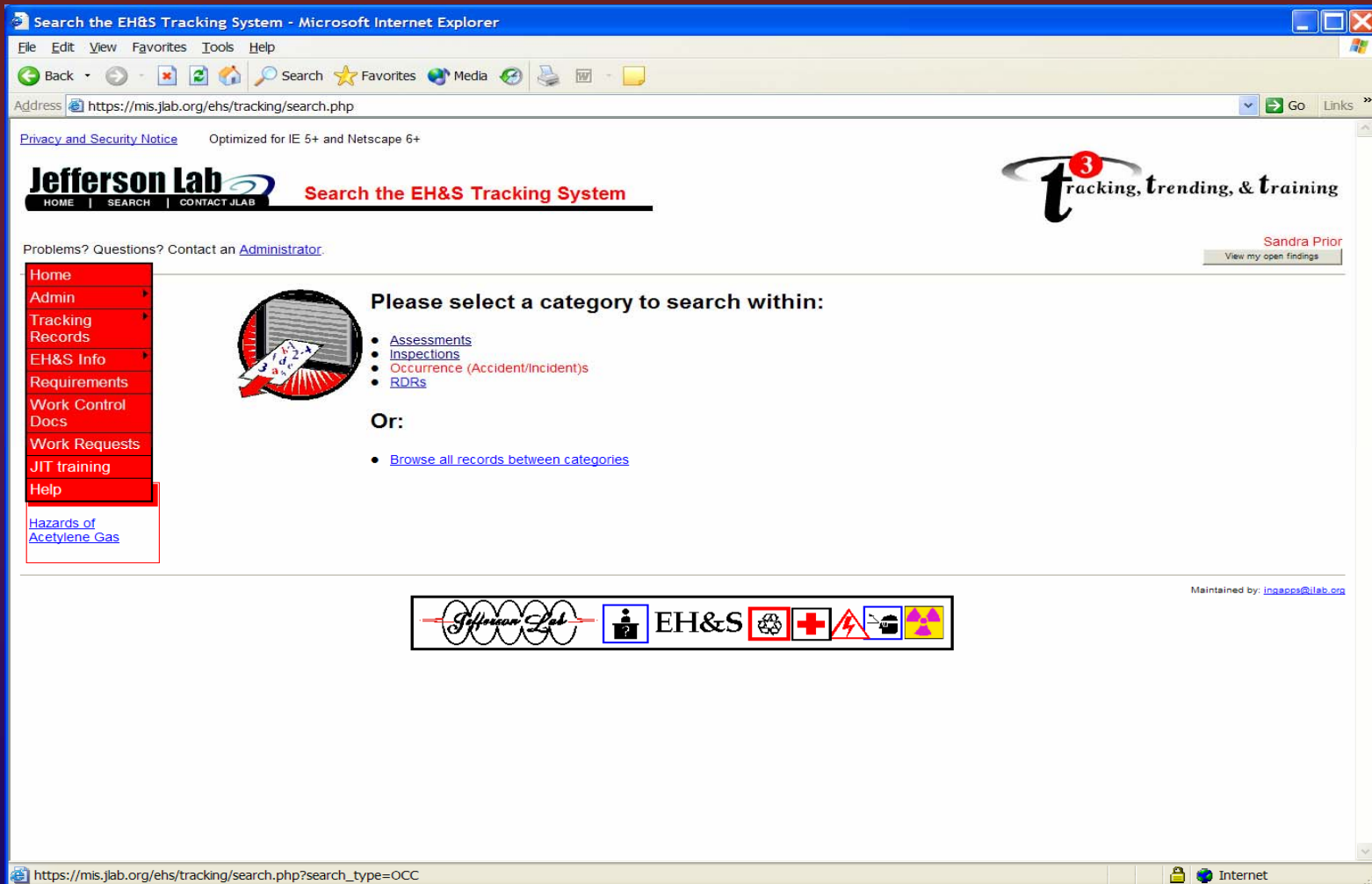
Appears In: [EH&S](#)

 DOE Electrical Safety DOE report of electrical safety operating experience and lessons learned.	prior 06/01/2004 386K   
 DOE Hoisting and Rigging Events Report of DOE Hoisting and Rigging Operating Experience and Lessons Learned	prior 06/01/2004 1537K   
 Extension Cord Safety at JLab Notice to all staff about safe and unsafe extension cord usage	prior 01/19/2004 434K   
 Fluke Test Leads Recall Recall of test leads sold for use with or as an accessory to Fluke test meters.	prior 05/06/2004 6K   
 Hazards of Acetylene Gas Facts about acetylene gas	prior 04/27/2004 24K   
 Ice Grippers Available Thru Webstock Information on ice grippers selection and ordering thru JLab Stockroom	prior 02/13/2004 102K   
 On Target Briefs - January 27, 2004 Summary of JLab weekly activities and EH&S notices	prior 02/26/2004 39K   
 Pump Cart Notice Electrical & maintenance requirements for vacuum pump carts	prior 06/03/2004 61K   
 Safety Notice: Roll-up Door Fire Smithfield Foods roll-up door fire from welding activity	prior 04/27/2004 64K   
 Walking on Snow and Ice Safely Safety Tips for Walking on Snow and Ice	prior 02/09/2004 55K   

Copyright © 1996-2001 Xerox Corporation. All Rights Reserved.

Done Internet

Search Function



Search By: Findings or Events


Search the EH&S Tracking System - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Back Forward Stop Home Search Favorites Media Print Mail

Address https://mis.jlab.org/ehs/tracking/search.php?search_type=OCC Go Links

[Privacy and Security Notice](#) Optimized for IE 5+ and Netscape 6+


Jefferson Lab  **Search the EH&S Tracking System**

HOME | SEARCH | CONTACT JLAB

Problems? Questions? Contact an [Administrator](#).

[Home](#)
[Admin](#)
[Tracking Records](#)
[EH&S Info](#)
[Requirements](#)
[Work Control Docs](#)
[Work Requests](#)
[JIT training](#)
[Help](#)

[Fluke Test Leads Recall](#)









Please select which results you would like to see:

- [Search for all findings from Occurrence \(Accident/incident\)s](#)
- [Search for all Occurrence \(Accident/incident\) events](#)

[Sandra Prior](#)
View my open findings

Maintained by: ingapops@jlab.org

  EH&S    

https://mis.jlab.org/ehs/tracking/search.php?search_type=OCC&return=items Internet

Accident/Occurrence Event Search

Search the EH&S Tracking System - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Back Forward Stop Reload Search Favorites Media Print Mail

Address https://mis.jlab.org/ehs/tracking/search.php?search_type=OCC&return=items Go Links

Problems? Questions? Contact an [Administrator](#).

Sandra Prior
View my open findings

Home
Admin
Tracking Records
EH&S Info
Requirements
Work Control Docs
Work Requests
JIT training
Help

SAFETY FIRST

[Add an Occurrence](#) (Accident/Incident)

Select any combination of criteria to search by in order to refine your search.

All items will be sorted by source and logdate.

Search by source:	<input type="text"/>	<input type="button" value="Search >"/>
Search by category:	<input type="text"/>	
Search for keyword(s):	<input type="text"/>	
Search by ISM principal:	<input type="text"/>	
Search by ISM core causes:	<input type="text"/>	
Search by author:	<input type="text"/>	
Search by lead investigator:	<input type="text"/>	
Search by record:	<input type="text"/>	
Search by date:	<input type="radio"/> Logdate <input type="radio"/> Report date <input type="radio"/> Estimated Completion date <input type="radio"/> Closure date	
	Between <input type="text"/> and <input type="text"/>	
Search by division:	<input type="text"/>	
Search by department:	<input type="text"/>	
Search by area: <small>*Ctrl* click to select multiple areas</small>	ARC - Building Management ARC - L104 ARC - L306 ARC - L307 ARC - L309	<input type="button" value="Browse"/>
Search by safety warden:	<input type="text"/>	
Search by responsible manager:	<input type="text"/>	
Search by EH&S reference:	<input type="text"/>	<input type="button" value="Browse"/>
Display list of items:	<input type="radio"/> Open <input type="radio"/> Closed	
Display overdue items?	<input type="radio"/> Yes <input type="radio"/> No	

☐ Check here to generate a report from the selected criteria in MS Excel

1 Hierarchical Menu Trees Created

Internet

Accident/Occurrence Event Search

Search the EH&S Tracking System - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Back Forward Stop Home Search Favorites Media

Address https://mis.jlab.org/ehs/tracking/search.php?search_type=OCC&return=items Go Links

Problems? Questions? Contact an [Administrator](#)

Sandra Prior
View my open findings

Home
Admin
Tracking Records
EH&S Info
Requirements
Work Control Docs
Work Requests
JIT training
Help
[DOE Electrical Safety Operating Experience & Lessons Learned](#)

[Add an Occurrence](#) (Accident/Incident)

Select any combination of criteria to search by in order to refine your search.

All items will be sorted by source and logdate.

Search by source:	<input type="text"/>	<input type="button" value="Search >"/>
Search by category:	<input type="text"/>	
Search for keyword(s):	<input type="text"/>	
Search by ISM principal:	<input type="text"/>	
Search by ISM core causes:	<input type="text"/>	
Search by author:	<input type="text"/>	
Search by lead investigator:	<input type="text"/>	
Search by record:	<input type="text"/>	
Search by date:	<input type="text"/>	
<input type="radio"/> Logdate	<input type="text"/>	
<input type="radio"/> Report date	<input type="text"/>	
<input type="radio"/> Estimated Completion date	Between <input type="text"/> and <input type="text"/>	
<input type="radio"/> Closure date	<input type="text"/>	
Search by division:	<input type="text"/>	
Search by department:	<input type="text"/>	
Search by area:	<input type="text"/>	<input type="button" value="Browse"/>
<small>Ctrl click to select multiple areas</small>	ARC - Building Management ARC - L104 ARC - L306 ARC - L307 ARC - L309	
Search by safety warden:	<input type="text"/>	
Search by responsible manager:	<input type="text"/>	
Search by EH&S reference:	<input type="text"/>	<input type="button" value="Browse"/>
Display list of items:	Between <input type="text"/> and <input type="text"/>	
Display overdue items?	<input type="radio"/> Open <input type="radio"/> Closed	
	<input type="radio"/> Yes <input type="radio"/> No	

☐ Check here to generate a report from the selected criteria in MS Excel

1 Hierarchical Menu Trees Created

Internet

Accident/Occurrence Event Search

Search the EH&S Tracking System - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Back Forward Stop Home Search Favorites Media Print View

Address https://mis.jlab.org/ehs/tracking/search.php?search_type=OCC&return=items Go Links

Problems? Questions? Contact an [Administrator](#).

Home
Admin
Tracking Records
EH&S Info
Requirements
Work Control Docs
Work Requests
JIT training
Help

[Safety Notice: Roll-up Door Fire](#)

Sandra Prior
View my open findings

[Add an Occurrence](#) (Accident/Incident)

Select any combination of criteria to search by in order to refine your search.

All items will be sorted by source and logdate.

Search by source:	<input type="text"/>	<input type="button" value="Search >"/>
Search by category:	<input type="text"/>	
Search for keyword(s):	<input type="text"/>	
Search by ISM principal:	<input type="text"/>	
Search by ISM core causes:	<input type="text"/>	
Search by author:	<input type="text"/>	
Search by lead investigator:	<input type="text"/>	
Search by record:	<input type="text"/>	
Search by date:	<input type="text"/>	
<input type="radio"/> Logdate		
<input type="radio"/> Report date		
<input type="radio"/> Estimated Completion date		
<input type="radio"/> Closure date		
Search by division:	<input type="text"/>	
Search by department:	<input type="text"/>	
Search by area:	<input type="text"/>	<input type="button" value="Browse"/>
<small>*Ctrl click to select multiple areas</small>		
Search by safety warden:	<input type="text"/>	
Search by responsible manager:	<input type="text"/>	
Search by EH&S reference:	<input type="text"/>	<input type="button" value="Browse"/>
Display list of items:	<input type="radio"/> Open <input type="radio"/> Closed	
Display overdue items?	<input type="radio"/> Yes <input type="radio"/> No	

☐ Check here to generate a report from the selected criteria in MS Excel

1 Hierarchical Menu Trees Created

Internet

Accident/Occurrence Event Search

Search the EH&S Tracking System - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Back Forward Stop Home Search Favorites Media Print Mail

Address https://mis.jlab.org/ehs/tracking/search.php?search_type=OCC&return=items Go Links

Problems? Questions? Contact an [Administrator](#).

Sandra Prior
View my open findings

Home
Admin
Tracking Records
EH&S Info
Requirements
Work Control Docs
Work Requests
JIT training
Help
[Experience & Lessons Learned Report April 2004](#)

[Add an Occurrence](#) (Accident/Incident)

Select any combination of criteria to search by in order to refine your search.

All items will be sorted by source and logdate.

Search by source:	<input type="text"/>	<input type="button" value="Search >"/>
Search by category:	<input type="text"/>	
Search for keyword(s):	<input type="text"/>	
Search by ISM principal:	<input type="text"/>	
Search by ISM core causes:	<input type="text"/>	
Search by author:	<div>Failure to Define Scope of Work Failure to Analyze Hazards Failure to Develop and Implement Hazard Controls Failure to Perform Work Within Controls Failure to Provide Feedback and Continuous Improvement</div>	
Search by lead investigator:	<input type="text"/>	
Search by record:	<input type="text"/>	
Search by date:	<input type="radio"/> Logdate <input type="radio"/> Report date <input type="radio"/> Estimated Completion date <input type="radio"/> Closure date	
	Between <input type="text"/>	and <input type="text"/>
Search by division:	<input type="text"/>	
Search by department:	<input type="text"/>	
Search by area: <small>Ctrl click to select multiple areas</small>	<div>ARC - Building Management ARC - L104 ARC - L306 ARC - L307 ARC - L309</div> <input type="button" value="Browse"/>	
Search by safety warden:	<input type="text"/>	
Search by responsible manager:	<input type="text"/>	
Search by EH&S reference:	Between <input type="text"/>	
Display list of items:	<input type="radio"/> Open <input type="radio"/> Closed	
Display overdue items?	<input type="radio"/> Yes <input type="radio"/> No	

☐ Check here to generate a report from the selected criteria in MS Excel

1 Hierarchical Menu Trees Created

Internet

Accident/Occurrence Event Search

Search the EH&S Tracking System - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Back Forward Stop Reload Search Favorites Media

Address https://mis.jlab.org/ehs/tracking/search.php?search_type=OCC&return=items Go Links

Problems? Questions? Contact an [Administrator](#).

Sandra Prior
View my open findings

Home
Admin
Tracking Records
EH&S Info
Requirements
Work Control Docs
Work Requests
JIT training
Help
[Report April 2004](#)

[Add an Occurrence](#) (Accident/Incident)

Select any combination of criteria to search by in order to refine your search.

All items will be sorted by source and logdate.

Search by source:	<input type="text"/>	<input type="button" value="Search >"/>
Search by category:	<input type="text"/>	
Search for keyword(s):	<input type="text"/>	
Search by ISM principal:	<input type="text"/>	
Search by ISM core causes:	<input type="text"/>	
Search by author:	<input type="text"/>	
Search by lead investigator:	<input type="text"/>	
Search by record:	<input type="text"/>	
Search by date:	<input type="text"/>	<input type="text"/>
<input type="radio"/> Logdate		
<input type="radio"/> Report date		
<input type="radio"/> Estimated Completion date	Between <input type="text"/>	and <input type="text"/>
<input type="radio"/> Closure date		
Search by division:	<input type="text"/>	
Search by department:	<input type="text"/>	
Search by area:	<input type="text"/>	<input type="button" value="Browse"/>
<small>*Ctrl click to select multiple areas</small>	Test Lab - Survey Lab, Rm 14 Test Lab - Tensile Test and Storage Areas (Rms 321, 322) Test Lab - VTA (Rm 160, 161, 162) Test Lab - Vacuum Assembly (Rm. 300) Test Lab - Vacuum Furnace and Brazing (Rm 264 - 266)	
Search by safety warden:	<input type="text"/>	
Search by responsible manager:	<input type="text"/>	
Search by EH&S reference:	<input type="text"/>	<input type="button" value="Browse"/>
Display list of items:	<input type="radio"/> Open <input type="radio"/> Closed	
Display overdue items?	<input type="radio"/> Yes <input type="radio"/> No	

☐ Check here to generate a report from the selected criteria in MS Excel

1 Hierarchical Menu Trees Created

Internet

Search Results: Vertical Test Area

Search results for events - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Back Forward Stop Home Search Favorites Media Print View Source

Address https://mis.jlab.org/ehs/tracking/item_search_list.php?search_type=OCC&item_type=2&occ_source=&occ_category=&keywords=&ism_principal=&ism_cause=&author=&originator=&item_id Go Links

[Privacy and Security Notice](#) Optimized for IE 5+ and Netscape 6+

Jefferson Lab [HOME](#) [SEARCH](#) [CONTACT JLAB](#) **Search results for events**

*t*³ **tracking, trending, & training**

Problems? Questions? Contact an [Administrator](#).

[Home](#)
[Admin](#)
[Tracking Records](#)
[EH&S Info](#)
[Requirements](#)
[Work Control Docs](#)
[Work Requests](#)
[JIT training](#)
[Help](#)

[Add an event](#)
[Search for other Occurrence \(Accident/Incident\) events](#)
[New Search](#)

Found: 5 event(s)

[Click on the event number to see the full details.](#)







DELETE	EVENT #	TITLE	AREA	SOURCE	EVENT DATE	FINDINGS
<input type="checkbox"/>	OR-2004-11	Unauthorized Modification of Safety Interlock System for Accelerator Component RF Testing	Test Lab - VTA (Rm 150, 151, 152)	Occurrence	MAY 05, 04	1 of 9 open
<input type="checkbox"/>	OR-2002-07	Failure to Verify LOTO at VTA	Test Lab - VTA (Rm 150, 151, 152)	Occurrence	OCT 03, 02	0 of 5 open
<input type="checkbox"/>	NE-2003-09 <small>No Report</small>	VTA HEPA Filter Overheated	Test Lab - VTA (Rm 150, 151, 152)	Notable Event	MAY 08, 03	1 of 1 open
<input type="checkbox"/>	NE-2002-02	VTA Radiation Alarm	Test Lab - VTA (Rm 150, 151, 152)	Notable Event	MAY 01, 02	0 of 10 open
<input type="checkbox"/>	AI-2003-17	Test Lab VTA back injury	Test Lab - VTA (Rm 150, 151, 152)	Accident/Incident	AUG 26, 03	0 of 1 open

[Delete Events](#)

[Sort Results:](#)
Sort By: [Event #](#) [DESCENDING](#) [Sort!](#)

[Back to top](#)

Maintained by: ingapps@jlab.org

https://mis.jlab.org/ehs/tracking/view_item.php?item_id=2966 Internet

Occurrence Record: PSS Interlocks

EH&S Event: OR-2004-11 - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Back Forward Stop Reload Search Favorites Media Print Copy Paste

Address https://mis.jlab.org/ehs/tracking/view_item.php?item_id=2966&view_findings=list Go Links

Problems? Questions? Contact an [Administrator](#)

Sandra Prior
View my open findings

[Home](#)
[Admin](#)
[Tracking Records](#)
[EH&S Info](#)
[Requirements](#)
[Work Control Docs](#)
[Work Requests](#)
[JIT training](#)
[Help](#)
[Radio on work Permit for Accelerator Site 2004](#)

Only the author, lead investigator, or an Administrator can edit this event record.

Event Number: OR-2004-11
Event Type: Occurrence (Accident/Incident)
Created: JUN 14, 04

Title: Unauthorized Modification of Safety Interlock System for Accelerator Component RF Testing
Author: [Prior, Sandra](#)

Event date: MAY 05, 04 [Edit Event](#)

Lead investigator: [Mutton, Philip](#)

Division: ACCELERATOR

Department: SRF Institute

Area: Test Lab - VTA (Rm 150, 151, 152)

Safety Warden: [Kushnick, Peter](#)

Source: Occurrence

Category: Facility Safety

Event Description: An ISRF worker noted that a metal plate had been attached to an actuator bracket in the Dewar #3 shield lid. The actuator contains a pair of switches that in turn send a signal to the PSS that the equipment can be safely operated. The worker quickly recognized the addition of the metal plate to the actuator as an unauthorized modification to the PSS. The worker noted a similar modification had been made to the Dewar #6 shield lid actuator.

Report Link: http://docushare.jlab.org/Get/File-8579/NotableEventWS-VTA_Dewar_Switch_040505-1_rtm.doc

[Delete Event](#)

Actions

- [Return to search results](#)
- [Add a new event to the database](#)
- [Search for other Occurrence \(Accident/Incident\) events](#)
- [New Search](#)

9 Finding(s) for this item:

View as: [List](#) [Individual Findings](#) [Add a Finding](#)

Click on the finding number to see the full details of the record

Delete	Finding Number	Finding Description	Responsible Manager	Completion Date	Closure Date
<input type="checkbox"/>	OR-2004-11-01	Unauthorized modification to PSS.	Funk, L.	MAY 06, 04	MAY 06, 04
<input type="checkbox"/>	OR-2004-11-02	VTA personnel did not follow SOP for VTA operations and failed to alert SSG staff of problems with the shield interlock switch.	Funk, L.	MAY 10, 04	MAY 10, 04

1 Hierarchical Menu Trees Created

Internet

Occurrence Record: PSS Interlocks

http://docushare.jlab.org/Get/File-8579/NotableEventWS-VTA_Dewar_Switch_040505-1_rtm.doc - Microsoft Internet Explorer

File Edit View Insert Format Tools Table Go To Favorites Help

Back Forward Stop Home Search Favorites Media

Address http://docushare.jlab.org/Get/File-8579/NotableEventWS-VTA_Dewar_Switch_040505-1_rtm.doc

1 2 3 4 5 6 7

Notable Event Worksheet

This form is to be completed by the Division EH&S Officer or a designated line manager within three days of an event and provided to the EH&S Reporting Manager. References to applicable EH&S Manual guidance should be included.

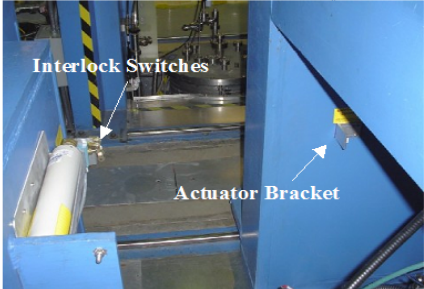
Division: Accelerator → Dept./Hall/Group: SRF

SUMMARY OF EVENT:

The following describes a two-part event:

- #1: unauthorized modification of PSS hardware
- #2: high likelihood of consequential inadvertent operation a radiation generating device (RGD), namely dewar No. 6, without functional primary engineered safeguard.

A VTA operator, Ann-Marie Valente, was preparing to run a test in Dewar 3 in the Vertical Test Area (VTA) in the Test Lab on Wednesday May 5th 2004 at approximately 4:45 p.m. She noticed that if the lid were closed, a safety interlock switch actuator in the shield lid would interfere with a Residual Gas Analyzer (RGA) that was part of the test setup. The operator requested assistance to resolve the problem and I was called to the VTA to assess the situation. The actuator is a bracket that is part of the VTA Personnel Safety System (PSS). It is attached to the inside of the shield lid such that when the lid is closed it contacts a pair of switches, which in turn send a signal to the PSS.



Interlock Switches

Actuator Bracket

This closure signal is one of the conditions that the safety interlock system must detect prior to providing an rf permit signal to the controller for the high power rf amplifier. Therefore when the dewar is open, i.e. the radiation shield is not in place, it is not possible to generate high power rf or radiation.

A plate had been attached to the actuator bracket effectively reducing the spacing between the actuator and

Unknown Zone

Findings View – As A List

EH&S Event: OR-2004-11 - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Back Forward Stop Reload Home Search Favorites Media

Address https://mis.jlab.org/ehs/tracking/view_item.php?item_id=2966&view_findings=list Go Links

switches that in turn send a signal to the PSS that the equipment can be safely operated. The worker quickly recognized the addition of the metal plate to the actuator as an unauthorized modification to the PSS. The worker noted a similar modification had been made to the Dewar #6 shield lid actuator.

Report Link: http://docushare.jlab.org/Get/File-8579/NotableEventWS-VTA_Dewar_Switch_040505-1_rtm.doc

Delete Event

9 Finding(s) for this item:

View as: ☒ List ☐ Individual Findings

Add a Finding



Click on the finding number to see the full details of the record

Delete	Finding Number	Finding Description	Responsible Manager	Completion Date	Closure Date
<input type="checkbox"/>	OR-2004-11-01	Unauthorized modification to PSS.	Funk, L.	MAY 06, 04	MAY 06, 04
<input type="checkbox"/>	OR-2004-11-02	VTA personnel did not follow SOP for VTA operations and failed to alert SSG staff of problems with the shield interlock switch	Funk, L.	MAY 10, 04	MAY 10, 04
<input type="checkbox"/>	OR-2004-11-03	Shield lid interlock switches do not function correctly which led to unauthorized modification.	Mahoney, Kelly	MAY 06, 04	MAY 06, 04
<input type="checkbox"/>	OR-2004-11-04	Verify that radiation levels remained consistent with normal operations in lieu of the unauthorized modification.	Abkemeier, Erik	MAY 28, 04	MAY 20, 04
<input type="checkbox"/>	OR-2004-11-05	Verify that personnel exposures were consistent with normal operations.	Abkemeier, Erik	MAY 28, 04	MAY 25, 04
<input type="checkbox"/>	OR-2004-11-06	Maintenance plans and procedures failed to ensure reliable operations of the shield lids.	Mutton, Philip	MAY 19, 04	MAY 19, 04
<input type="checkbox"/>	OR-2004-11-07	RCG did not notify SSG when configuration controlled safety equipment had been modified.	Abkemeier, Erik	MAY 25, 04	MAY 25, 04
<input type="checkbox"/>	OR-2004-11-08	Alignment of shield interlock switches is too critical to the reliable performance of the switches.	Mahoney, Kelly	OCT 31, 04	open
<input type="checkbox"/>	OR-2004-11-09	An additional safety measure is needed to ensure reliable function of the shield interlock switches until the switches are replaced.	Mutton, Philip	MAY 28, 04	MAY 25, 04

Delete Findings

Back to top

Maintained by: jngapps@jlab.org

1 Hierarchical Menu Trees Created

Internet

Findings View – Individually

EH&S Event: OR-2004-11 - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Back Forward Stop Home Search Favorites Media

Address https://mis.jlab.org/ehs/tracking/view_item.php?item_id=2966&view_findings=indv Go Links

place to the detector as an unauthorized modification to the PSS. The worker noted a similar modification had been made to the Dewar #6 shield lid actuator.

Report Link: http://docushare.jlab.org/Get/File-8579/NotableEventWS-VTA_Dewar_Switch_040505-1_rtm.doc

Delete Event

9 Finding(s) for this item:

View as: ☒ List ☐ Individual Findings

Add a Finding

Only the author, lead investigator, or an Administrator can edit this finding.
All other users may add status updates to this record if it is NOT closed.

Finding Number: OR-2004-11-01 1 of 9

Created: JUN 14, 04

Responsible Manager: [Funk, L.](#) Edit Finding

Finding Description: Unauthorized modification to PSS.

Recommended Corrective Action: Suspend all test and development RF operations in the VTA pending resolution of the event issues.

ISM Principal: Operations Authorization

ISM Cause: Failure to Perform Work Within Controls

Estimated Completion Date: MAY 06, 04

Closure Date: MAY 06, 04




Delete Finding

0 Status Update(s) for this finding: Add a status update

Delete	Date	Description	Author
Delete Updates			

Back to top

Maintained by: inagpps@jlab.org

1 Hierarchical Menu Trees Created

Internet

Excel Download of Search Results

Search the EH&S Tracking System - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Back Forward Stop Search Favorites Media Print

Address https://mis.jlab.org/ehs/tracking/search.php?search_type=ASMT&return=findings Go Links

Privacy and Security Notice Optimized for IE 5+ and Netscape 6+

Jefferson Lab Search the EH&S Tracking System

HOME | SEARCH | CONTACT JLAB

Problems? Questions? Contact an [Administrator](#).

Home
Admin
Tracking Records
EH&S Info
Requirements
Work Control Docs
Work Requests
JIT training
Help

[Add an Assessment](#)

Select any combination of criteria to search by in order to refine your search.

All findings will be sorted by date of Assessment

Search by author:
Search by evaluator:
Search for keyword(s):
Search by record:
Search by date:
☐ Logdate
☐ Report date
☐ Estimated Completion date
☐ Closure date
Search by type:
Search by division:
Search by department:
Search by responsible manager:
Display list of items:
☐ Open ☐ Closed
Display overdue items?
☐ Yes ☐ No

☒ Check here to generate a report from the selected criteria in MS Excel

Reset Search >

Abkemeier, Erik
Arenius, Dana
Bailey, Mary Jo
Cardman, Lawrence
Chandler, Walter
Even, Linda
Ficklen, Carter
Funk, L.
Gibson, Mary
Hanson, Eric
Heckman, John
Hiatt, Tommy
Hunt, Patricia
Hutton, Andrew
Kashy, David
Kausch, David
Kelly, John
Krasche, Christina
Magaldi, Deborah
Mahoney, Kelly
Manziak, Albert
Martin, Edward
May, Robert
Murphy, James
Mutton, Philip
Neill, George
Nevarez, Manuel
Oren, William
Powers, Paul

to search by in order to refine your search.

Search >

Maintained by: inqapps@jlab.org

1 Hierarchical Menu Trees Created

Internet

Excel Download of Search Results

Report Field Selection - Microsoft In...

Select which fields you would like to see in your Excel report.

• [Check All](#) NOTE: It might take a minute or two to generate the report and fields will be in the order you see here.

• [Uncheck All](#)

☐ Event Record Number

☒ Finding Record Number

☐ Author

☐ Report date

☐ Logdate

☐ Assessment Type

☐ Evaluator

☐ Division

☐ Department

☒ Finding Description

☒ Recommended Corrective Action

☒ Estimated Completion Date

☐ Closure Date

☒ Responsible Manager

☐ Report Link

☒ **Latest status update**

- Pop up box appears with field list
- User checks the fields desired in the spreadsheet
- Click on the submit button and search results open up in Excel

More...Graphs & Charts

EH&S Tracking Home - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Back Forward Stop Home Search Favorites Media

Address <https://mis.jlab.org/ehs/index.php> Go Links

[Privacy and Security Notice](#) Optimized for IE 5+ and Netscape 6+

Jefferson Lab **EH&S Tracking Home**

HOME | SEARCH | CONTACT JLAB

Problems? Questions? Contact an [Administrator](#).

Welcome,
Sandra,
to the EH&S Tracking System.

What would you like to do?

- [Show me all open items assigned to me.](#)
- Show me all inspection items for area:
- [Take me to the search page.](#)
- [I would like to add a record.](#)

Our EH&S tracking and reporting mechanisms, presented at the the international [IRIA conference](#), have been selected as a categorical winner by the National Registry of Environmental Professionals.

Lessons Learned

Finding: [NE-2003-23-03](#)
The potential exists for unauthorized individuals for operating equipment affecting discharges to groundwater.

Current Status

EH&S Tracking Items
(Count of Open Findings)

Inspections	105
(Accident/Incident)s	11
Assessments	98
RDRs	3

[More...](#)

Maintained by: ingapp@jlab.org

<https://mis.jlab.org/ehs/images/graphs/index.php> Internet

More....Graphs & Charts

EH&S Tracking Graphs - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Back Forward Stop Home Search Favorites Media Print Mail

Address <https://mis.jlab.org/ehs/images/graphs/index.php> Go Links

[Privacy and Security Notice](#) Optimized for IE 5+ and Netscape 6+

Jefferson Lab [HOME](#) [SEARCH](#) [CONTACT JLAB](#) **EH&S Tracking Graphs**

3 tracking, trending, & training

Problems? Questions? Contact an [Administrator](#).

Sandra Prior
[View my open findings](#)

Home
Admin
Tracking Records
EH&S Info
Requirements
Work Control Docs
Work Requests
JIT training
Help

SAFETY FIRST

What kinds of graphs or reports would you like to see?

Tell me... ingapps@jlab.org

Graphs







- [Average Days to Close Inspection Findings](#)
- [Average Months Overdue for closed Inspection Findings](#)
- [Percentage of findings by Department](#)
- [Percentage of findings by EH&S Manual Chapter](#)

Quick Reports

Select a Report to view:

[Open Findings per Division/Department](#)
Avg Months Overdue per Division/Department
Avg Number of days left to close open findings per Division/Department

Maintained by: ingapps@jlab.org

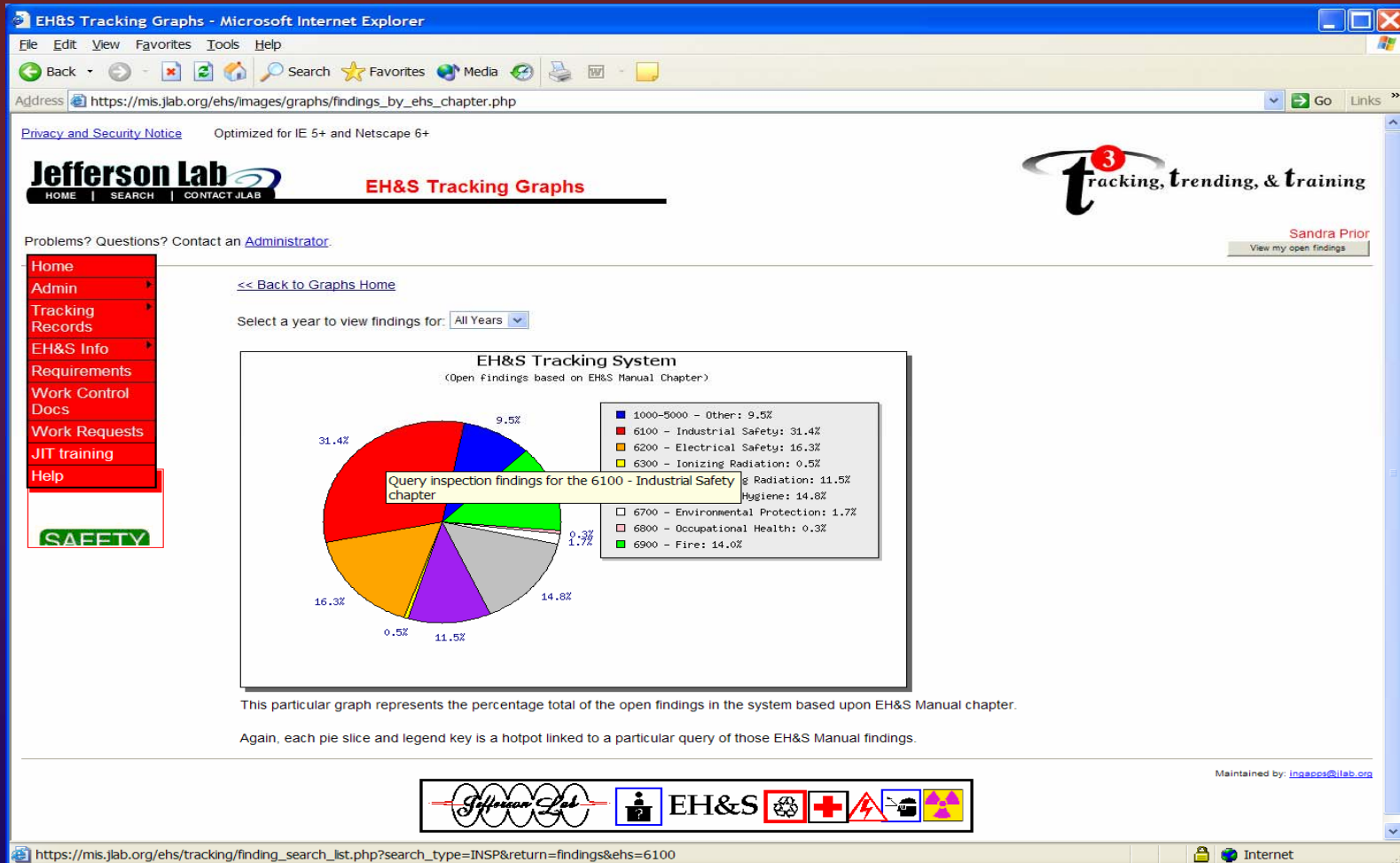
1 Hierarchical Menu Trees Created

Internet

Closure Stats for Inspection Items



Findings Distribution by Functional Area



Findings Distribution Across Lab By Department

https://mis.jlab.org/ehs/images/graphs/view_report.php?report_name=Open+Findings+per+Division/D - Microsoft Internet Explorer

Address: https://mis.jlab.org/ehs/images/graphs/view_report.php?report_name=Open+Findings+per+Division%2FDepartment

Open Findings per Division/Department

	Department	Inspections	Accident/Incidents	Assessments	RDRs
ACCELERATOR	Acc. Engineering	7	3	5	0
	Acc. Operations	36	0	5	0
	Acc. EH&S	2	3	36	3
	SRF Institute	24	5	3	0
	FEL	25	0	3	0
	CASA	0	0	0	0
	Projects	0	0	0	0
	Acc. Division Office	8	0	0	0
PHYSICS	Physics Division Office	1	0	11	0
	Hall A	0	0	0	0
	Hall B	0	0	4	0
	Hall C	0	0	0	0
	Physics EH&S	0	0	0	0
	QA	0	0	0	0
	Theory Group	0	0	0	0
	Data Acquisition	0	0	0	0
	Electronics Group	0	0	0	0
	Computer Center	0	0	0	0
	Polarized Target	0	0	1	0
	Detector Group	0	0	0	0
	User Liaison	0	0	0	0
	Electronic Media	0	0	0	0
ADMINISTRATION	Admin Division Office	0	0	2	0
	Procurement	0	0	0	0
	Medical Services	0	0	1	0
	Facilities Management	1	0	11	0
	Finance	1	0	0	0

Done Internet

Operations Problem Reporting (OPS-PR)

http://opweb.acc.jlab.org/CSUEApps/elog02/ops-pr_query.php?PHPSESSID=3781370d04385bffe0a9ccc110 - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Back Forward Stop Home Search Favorites Media Print Mail

Address http://opweb.acc.jlab.org/CSUEApps/elog02/ops-pr_query.php?PHPSESSID=3781370d04385bffe0a9ccc1106df78b Go Links

Fields to Return:

<input type="checkbox"/> Creation time	<input type="checkbox"/> Entry type	<input type="checkbox"/> Logbook(s)	<input type="checkbox"/> Title
<input type="checkbox"/> Username(s)	<input type="checkbox"/> Originating host	<input type="checkbox"/> OS account	
<hr/>			
<input type="checkbox"/> Area	<input type="checkbox"/> Component	<input type="checkbox"/> System	<input type="checkbox"/> Problem
<input type="checkbox"/> Timestamp	<input type="checkbox"/> Assignee	<input type="checkbox"/> Action by	<input type="checkbox"/> Annotation/Solution
<input type="checkbox"/> Action			
<hr/>			
<input type="checkbox"/> Time Down	<input type="checkbox"/> Time Up	<input type="checkbox"/> Time Restored	<input type="checkbox"/> Time until Up
<input type="checkbox"/> Time until Restore	<input type="checkbox"/> Time between Up and Restore		
<hr/>			
<input type="checkbox"/> Official Time Down	<input type="checkbox"/> Official Time Up	<input type="checkbox"/> Official Time Restored	<input type="checkbox"/> Downtime
<input type="checkbox"/> Recovery Time	<input type="checkbox"/> Total Time	<input type="checkbox"/> System	<input type="checkbox"/> Item
<input type="checkbox"/> Problem	<input type="checkbox"/> Description	<input type="checkbox"/> Note	

☐ CONTROLS ☐ ELOG fields ☐ DOWNTIME fields ☐ Official DOWNTIME fields

Basics

Start: 23 2004 0:00 End Date: July 1 2004 0:00

Logbook: HALL A
Last: HALL B
HALL C
INJECTOR
MAGNETS

☒ MERGE ☒ OPEN ☒ REASSIGN ☒ UPDATE

Predicates

☒ OPS
☐ OPTICS
☐ PLANTENG
☐ RADCON
☐ RF
☐ SAFETY
☐ SAFETY BELS
☐ SAFETY MPS
☐ SAFETY ODH
☐ SAFETY PSS
☐ SOFTWARE
☐ SRF
☐ TEST
☐ VACUUM
☐ Select One...
☐ Select One...
☐ Retrieve Official Downtime. Include Entries w/o OPS-PR.

ers only.
PS-PRs.
igned to:
ea:
Component:
Problem:
Problem category:

Include subcategories when applicable? ☒

Done Internet

Operations Problem Reporting (OPS-PR)

http://opweb.acc.jlab.org/CSUEApps/elog02/ops-pr_query.php?PHPSESSID=3781370d04385bffe0a9ccc110 - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Back Forward Stop Search Favorites Media Print Mail

Address http://opweb.acc.jlab.org/CSUEApps/elog02/ops-pr_query.php?PHPSESSID=3781370d04385bffe0a9ccc1106df78b Go Links

☐ Action

☐ Time Down ☐ Time Up ☐ Time Restored ☐ Time until Up

☐ Time until Restore ☐ Time between Up and Restore

☐ RM RM41
☐ RM RM42
☐ RM RM43
☐ RM RM44
☐ RM RM45
☐ RM RM46
☐ RM RM47
☐ RM RM48

☐ SAFETY
☐ SCAN IT
☐ SEE

Basic
Start SOFTWARE BPM
Logb SOFTWARE HALL
Last SOFTWARE INFO TOOLS
SOFTWARE INJ
SOFTWARE MAGNETS
SOFTWARE MEDM
SOFTWARE OPTICS TOOLS
SOFTWARE RF

Pred
☒ SRFVacuum
☐ SWIS Announcement Editor
☐ Safety System Status (tcl)
☐ Scanner
☐ Scanner BOX SUPPLY SCANNER
☐ Scanner FEL BOX SUPPLY SCANNER
☐ Scanner FEL SHUNT SCANNER
☐ Scanner FEL TRIM SCANNER
☐ Scanner Other
☐ Scanner SHUNT SCANNER
☐ Select One...

☐ Find all OPS-PRs in problem:
☐ Select One...

☐ Find all OPS-PRs in problem category:
☐ Select One...

☐ Retrieve Official Downtime. Include Entries w/o OPS-PR.

Restored ☐ Downtime
☐ Item

Fields ☐ Official DOWNTIME fields

July 1 2004 0:00

ATE

Include subcategories when applicable? ☒

Output Preference:
☒ HTML Table ☐ Excel Spreadsheet ☐ Scrollable Output

Done Internet

Operations Problem Reporting (OPS-PR)

http://opweb.acc.jlab.org/CSUEApps/elog02/ops-pr_query.php?PHPSESSID=3781370d04385bffe0a9ccc110 - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Back Forward Stop Search Favorites Media Print

Address http://opweb.acc.jlab.org/CSUEApps/elog02/ops-pr_query.php?PHPSESSID=3781370d04385bffe0a9ccc1106df78b Go Links

☐ J. Ludwig
☐ J. Musson
☐ J. Preble
☐ J. Sage
☐ J. Wilson
☐ K. Capek
☐ K. Cole
☒ K. Mahoney
☐ K. Welch
☐ K. White
☐ L. Broecker
☐ L. Clancy
☐ L. Harris
☐ L. Reynolds
☐ M. Bickley
☐ M. Joyce
☐ M. Keesee
☐ M. Poelker
☐ M. Spata
☐ M. Stutzman
☐ M. Tiefenback
☐ M. Washington
☐ N. Okay
☐ N. Wilson
☐ O. Garza
☐ P. Chevtsov
☒ P. Francis
☐ P. Gueye
☐ P. Hunt
☐ P. Kjeldsen
☐ K. Mahoney

Time Up ☐ Time Restored ☐ Time until Up

Time between Up and Restore

Official Time Up ☐ Official Time Restored ☐ Downtime

Total Time ☐ System ☐ Item

Description ☐ Note

ELOG fields ☐ DOWNTIME fields ☐ Official DOWNTIME fields

Start: 23 2004 0:00 End Date: July 1 2004 0:00

☒ MERGE ☒ OPEN ☒ REASSIGN ☒ UPDATE

Find all OPS-PRs in area:
Select One... Browse

Find all OPS-PRs in component:
Select One... Browse

Find all OPS-PRs in problem:
Select One... Browse

Find all OPS-PRs in problem category:
Select One...

☐ Retrieve Official Downtime. Include Entries w/o OPS-PR.

Include subcategories when applicable? ☒

Output Preference:
☒ HTML Table ☐ Excel Spreadsheet ☐ Scrollable Output

Execute Query Reset Form

Done Internet

Safety System Group & EH&ST3 Web Pages

